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动物分类学报

A NEW SPECIES OF THE GENUS *DACUS* FABRICIUS (DIPTERA, TEPHRITIDAE, DACINAE) FROM HAINAN, CHINA

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Abstract A new species of the genus *Dacus* Fabricius (Diptera, Tephritidae, Dacinae), *D.* (*Callantra*) *bimaculatus* sp. nov., is described from the Hainan Province of China. The holotype is deposited in the Insect Museum, Center for Tropical Plant Quarantine, Hainan Entry-Exit Inspection and Quarantine Bureau, Haikou, China.
Key words Diptera, Tephritidae, Dacinae, *Dacus*, new species, China.

The genus *Dacus* Fabricius from China has been revised by Wang and Chen (2002), a total of 13 species of the genus have been reported so far. In this paper a new species of the genus *Dacus* from Hainan, China is described. Morphological terminology generally follows McAlpine (1981) and Drew *et al.* (1998). Length of body and wing is measured in millimeters.

***Dacus* (*Callantra*) *bimaculatus* sp. nov.** (Figs 1 – 4)

Description. Female, body length 10.5 mm; wing length 8.5 mm.

Head. Frons about 1.32 times longer than wide, as wide as eye; red-brown with anterior 1/3 orange-yellow. Lunule and vertex red-brown; ocellar triangle black. Face orange-brown with a black transverse band across mouth margin. Genae and parafacial orange-brown, with black spot on each parafacial adjacent to bases of antennae and connecting eye and ptilinal suture. Occiput orange-yellow; occipital row of about 6 – 7 fine black setulae. Antennae red-brown, segment 3 about 2.3 times as long as segment 2; arista bare, black except pale basally. Head chaetotaxy, 1 frontal, 1 orbital, 1 inner vertical, 1 outer vertical and 1 genal setae.

Thorax. Scutum predominately red-brown with narrow yellow markings extending along anterior side of mesonotal suture and medial postsutural yellow vitta. Postpronotal lobes yellow. Pleura red-brown with following yellow areas: notopleural callus, anepisternal stripe, anterior half of antergite and katatergite. Scutellum red-brown except yellow on sides. Subscutellum and mediotergite red-brown. Thoracic chaetotaxy. 2 scutellar, 2 notopleural, 1 postalar and 1 anepisternal setae. Wing hyaline except orange-yellow cells bc and c, fuscous cell sc and basal portion of cell br and a broad costal band extending evenly over vein R_{4+5} to about half way to vein M; anal streak absent. Legs red-brown with tarsi, basal 1/3 of mid femur and basal 1/4 of hind femur yellow; fore femur with 1 stout ventral spine.

Abdomen. Elongate and petiolate; terga fused; pectin on tergum 3 absent. Tergum 1 about 2.5 times as long as width at narrowest point. Terga red-brown with yellow markings on the apices of terga 1 and 2, two small round yellow spots on tergum 3, two large yellow spots on tergum 4, two narrow anteromedial yellow bands and two narrow posteromedial yellow bands on tergum 5, shining spots pale red-brown.

Male. Unknown.

Holotype ♀, China, Hainan, Haikou (20°N, 110.3°E), 26 Oct. 2006, attracted to protein bait, XU Nan-Fang.

Distribution. China (Hainan).

Attractant. Protein bait.

Host. Unknown.

Etymology. The specific epithet comes from the Latin *bi*, "two" combined with *macula*, "spots" or "marks", referring to the two small round yellow spots on the tergum 3.

Remarks. This species is similar to *Dacus* (*Callantra*) *conopsoides* de Meijere from Indonesia (Java) in having a black band across mouth margin of face, the costal band overlapping vein R_{4+5} and uniform width, scutum basically red-brown with narrow medial longitudinal postsutural yellow vitta. It differs from the latter in having the scutellum largely red-brown, fore femur with only 1 stout ventral spine, the basal 1/3 of mid femur and basal 1/4 of hind femur yellow, abdominal tergum 3 red-brown with 2 small round yellow spots on sides of midline.

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1

4

2

3

Figs 1 – 4. *Dacus* (*Callantra*) *bimaculatus* sp. nov., ♀. 1. Female adult in dorsal view. 2. Thorax. 3. Abdomen. 4. Wing.

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中国海南寡鬃实蝇属一新种（双翅目，实蝇科，寡鬃实蝇亚科）

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摘 要 记述采自中国海南省双翅目 Diptera 实蝇科 Tephritidae 寡鬃实蝇属 *Dacus* Fabricius 1 新种，二点棍腹实蝇 *Dacus* (*Callantra*) *bimaculatus* sp. nov.，并提供其形态特征图。模式标本保存于海南出入境检验检疫局热带植物隔离检疫中心标本馆。

二点棍腹实蝇，新种 *Dacus* (*Callantra*) *bimaculatus* sp. nov.（图 1 ~ 4）

本种与产自印度尼西亚的爪哇棍腹实蝇 *D.* (*Callantra*) *conopsoides* de Meijere 相似，其主要区别在于小盾片大部分红褐色；足的前股节仅有 1 根腹刺，中股节基部的 1/3 和后股节基部的 1/4 黄色；腹部第 3 背板中线两侧具 2 个黄色圆形斑点。

正模 ♀，海南省海口，2006-10-26，蛋白饵诱捕，徐南芳采。

词源：新种名出自该种腹部第 3 背板具 2 个斑点。

关键词 双翅目，实蝇科，寡鬃实蝇亚科，寡鬃实蝇属，新种，中国.

中图分类号 Q969.456.8

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